

# G Rupa

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Recent CS graduate skilled in building secure, high-performance **Java applications**. Developed optimized **REST APIs** (25% faster), implemented **JWT/AES encryption**, and designed full-stack systems. Strong in OOP, databases, and clean code. Cybersecurity certified (Google, NPTEL).

## TECHNICAL SKILLS

<b>Languages</b>	:	Java
<b>Backend</b>	:	Spring Boot, Spring MVC, RESTful APIs, JDBC
<b>Frontend</b>	:	HTML, CSS
<b>Database</b>	:	MySQL, SQL
<b>Version Control</b>	:	Git, GitHub
<b>Testing</b>	:	JUnit, Postman
<b>Security</b>	:	JWT, AES Encryption
<b>Development Tools</b>	:	IntelliJ IDEA, VS Code
<b>Concepts</b>	:	OOP, Data Structures & Algorithms, Multithreading, Exception Handling, Design Patterns, SOLID Principles

## EXPERIENCE

<b>Software Engineer Intern</b> Blackbucks	Apr 2024 – June 2024 <i>Online - India</i>
<ul style="list-style-type: none"><li>Developed <b>3 RESTful APIs</b> using <b>Spring Boot</b>, reducing data retrieval time by <b>25%</b></li><li>Implemented <b>JWT authentication</b> for secure access control in the employee portal.</li><li>Optimized <b>SQL queries</b>, improving database performance by 30%.</li></ul>	

## EDUCATION

<b>Sri Venkateswara Engineering College</b> Bachelor of Science in Computer Science(Cybersecurity) - CGPA: 8.8	Tirupati, Andhra Pradesh, India <i>Nov 2021 – May 2025</i>
<b>APSWRS Junior college</b> MPC - CGPA: 9.3	Madanapalle, Andhra Pradesh, India <i>June 2019 – June 2021</i>
<b>APSWR School</b> CGPA: 9.7	Madanapalle, Andhra Pradesh, India <i>June 2018 – June 2019</i>

## PROJECTS

<b>Secure Chat Application</b>	<i>Technologies Used : Java, Spring Boot, WebSocket, AES Encryption , HTML, CSS, JavaScript</i>
<ul style="list-style-type: none"><li>Built a <b>real-time, end-to-end encrypted chat application</b> supporting <b>100+ concurrent users</b> with message delivery in <b>&lt; 500ms</b></li><li>Applied <b>AES-256 encryption</b>, ensuring <b>100% data confidentiality</b> and integrity during message transmission.</li><li>Reduced unauthorized access risks by <b>40%</b> through secure key exchange and encryption protocols.</li></ul>	

<b>Bank Application</b>	<i>Technologies Used: Spring Boot, MySQL, HTML, CSS, JavaScript</i>
<ul style="list-style-type: none"><li>Created a <b>full-stack banking system</b> managing <b>1,000+ user accounts</b> with seamless transaction processing.</li><li>Enforced <b>JWT authentication</b> and <b>role-based access control (RBAC)</b>, reducing unauthorized access by 40%.</li><li>Architected <b>RESTful APIs</b> handling <b>5,000+ transactions/month</b> with <b>AES encryption</b>, improving data security by 50%.</li></ul>	

## CERTIFICATIONS

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- Java Full Stack Developer – Wipro
- Google Cybersecurity Professional Certificate
- Frontend Web Developer Certification – Infosys
- Cybersecurity & Privacy – NPTEL